

Work Order ID 143690

March 21, 2016 10:57:31 AM

143690

Qty 5 to ship March 31
ASAP 30125542. Page 1

Item ID: D139-799-015

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Engine Wash

Start Date: 3/28/2016 Start Qty: 5.00

~~5~~ 3
~~5~~ 3

Cust Item ID:

Required Date: 3/31/2016 Req'd Qty: 5.00

Customer:

Reference:

Approvals:

Process Plan: *SH*

Date:

23150329

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr	Revision Nbr
IIN-D139-799	K

100 Document Control

0.00

DAS
6
9-89

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D139-799-015
CHG005

SMB

MAR 31 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
6
9-89

DAS
28
9-89

MAR 22 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

SMB

MAR 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

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Page 2

Item ID: D139-799-015

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Engine Wash

Stop ***NS2***

Start Date: 3/28/2016 Start Qty: 5.00

5

Cust Item ID:

Required Date: 3/31/2016 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D139-799-015

Location: _____

PPP rev: _____

sold

SMB
6/3/31

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.01

Quality Control

16/3/31

MSE

16-3-31

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge
☐ LOA	☐ Substation	☐ Past Expiry Date	☐ Misidentified	☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier
☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing	☐ Product Improvement	☐ Process Improvement	☐ Manufacturing Process	☐ Past Due
☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat
☐ Wave/Twist in Tube	☐ Marks/Chatter	☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination
☐ Countersink	☐ Cut Too Short	☐ Instructions Incomplete/Unclear	☐ Drill Holes	☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld
☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled	☐ Fit/Function	☐ Misaligned/off center	☐ Positioned Wrong	☐ Outside Dimensions
☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish	☐ Misread	☐ Turning Sequence
☐ OTHER : _____							

Picklist Print

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Page 1

Work Order ID: 143690

143690

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 3/28/2016

Required Date: 3/31/2016

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B
AS PER ECN 11-598 11-06-05 JLM VERF BY:DD IPP Rev:C 11.09.27
PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER
CHG005/ECN13-579 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4121-1 Hose Assy		Manufactured	No			110	Each	8.0000	2	10			
D4121-1 1 x B143662 DAS 28 9-89													

Location	Loc Qty	Loc Code
----------	---------	----------

FG	3	
114101	1	
132053	2	
ST213	5	
141982	5	

D4121-3 Hose Assy		Manufactured	No			110	Each	7.0000	1	5			
D4121-3 DAS 28 9-89													

Location	Loc Qty	Loc Code
----------	---------	----------

FG	1	
91535	1	
ST273	6	
141983	6	

D4121-5 Hose Assy		Manufactured	No			110	Each	6.0000	1	5			
D4121-5 DAS 28 9-89													

Location	Loc Qty	Loc Code
----------	---------	----------

ST213	6	
141751	2	
141985	4	

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Work Order ID: 143690

143690

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 3/28/2016

Required Date: 3/31/2016

Start Qty: 5.00

Required Qty: 5.00

D4131-041
D4131-041
Manifold Assembly

SMB

Manufactured No 110 Each 3.0000

1 33
**

DAS 6 9-89
DAS 28 9-89

Location Loc Qty Loc Code

ST085 3
142795 3

3
33

D4131-043
D4131-043
Doubler Assembly

SMB

Manufactured No 110 Each 3.0000

1 33
**

DAS 6 9-89
DAS 28 9-89

Location Loc Qty Loc Code

ST085 3
141753 3

3
10-6

D4146-1
D4146-1
Fitting

SMB

Manufactured No 110 Each 16.0000

2 10-6
**

DAS 6 9-89
DAS 28 9-89

Location Loc Qty Loc Code

ST085 16
137090 2
141754 14

2
4
10-6

D4182-1
D4182-1
Fitting, Quick Disconnect

SMB

Manufactured No 110 Each 14.0000

2 10-6
**

DAS 6 9-89
DAS 28 9-89

Location Loc Qty Loc Code

ST089 14
141755 4
141986 10

4
5
2

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Shop Packet Print

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Picklist Print

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Page 3

Work Order ID: 143690

143690

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 3/28/2016

Required Date: 3/31/2016

Start Qty: 5.00

Required Qty: 5.00

D4384-1

Manufactured No

110

Each

10.0000

D4384-1

Placard

Smb

Location

Loc Qty

Loc Code

FG

5

80679

5

ST095

5

142002

5

AN526-1032R16

Purchased

No

110

Each

97.0000

AN526-1032R16

Screw

Smb

Location

Loc Qty

Loc Code

ST326

97

m134360

97

AN832-6J

Purchased

No

110

Each

15.0000

AN832-6J

Union

Smb

Location

Loc Qty

Loc Code

ST324

15

m134257

7

m134370

8

AN924-6J

Purchased

No

110

Each

25.0000

AN924-6J

NUT

Smb

Location

Loc Qty

Loc Code

FG

4

123245

2

m132256

2

ST322

21

m133686

2

m134396

19

****** 1 53

****** 4 2012

****** 2 10-10

****** 4 2012

DAS 6 28 9-89

DAS 6 28 9-89

DAS 6 28 9-89

DAS 6 28 9-89

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Shop Packet Print

Page 3

Picklist Print

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Page 4

Work Order ID: 143690

143690

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 3/28/2016

Required Date: 3/31/2016

Start Qty: 5.00

Required Qty: 5.00

MS21919-WDG9

Purchased

No

Each

160.0000

50 100 60

MS21919-WDG9

Clamp

SMB

Location

Loc Qty

Loc Code

CCK06

100

m134376

100

ST293

60

205

m134294

60

NAS1149C0932R

Purchased

No

110

Each

77.0000

4

NAS1149C0932R

WASHER

SMB

Location

Loc Qty

Loc Code

ST265

77

m133992

77

DAS 28 9-89

DAS 28 9-89

MAR 22 2016

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X									D139-799-011	MAINTENANCE STEP KIT, LH
	X								D139-799-012	MAINTENANCE STEP KIT, RH
		X							D139-799-015	ENGINE WASH KIT
			X						D139-799-017	CARGO FLOOR PROTECTOR KIT
				X					D139-799-019	CABIN FLOOR PROTECTOR KIT
					X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
						X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
							X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
								X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
			2						D3580-1	JOGGLE BRACKET
			2	8					D3628-1	CUPPED WASHER
1									D4092-041	MAINTENANCE STEP ASSEMBLY
	1								D4092-042	MAINTENANCE STEP ASSEMBLY
		2							D4121-1	HOSE ASSEMBLY
		1							D4121-3	HOSE ASSEMBLY
		1							D4121-5	HOSE ASSEMBLY
				1					D4130-1	FWD CABIN FLOOR PROTECTOR
				1					D4130-3	AFT CABIN FLOOR PROTECTOR
			1						D4130-5	FWD CARGO FLOOR PROTECTOR
			1						D4130-7	CENTER CARGO FLOOR PROTECTOR
			1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1							D4131-041	MANIFOLD ASSEMBLY
		1							D4131-043	DOUBLER ASSEMBLY
		2							D4146-1	FITTING
			1						D4153-1	JOGGLE BRACKET
			1						D4153-3	JOGGLE BRACKET
				4					D4153-5	CLAMP PLATE
			2						D4166-1	PLACARD, MAX LOAD
		2							D4182-1	FITTING, QUICK DISCONNECT
		1							D4384-1	PLACARD
					1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
						1			D5238-041	MAINTENANCE STEP ASSEMBLY
							1		D5238-042	MAINTENANCE STEP ASSEMBLY
						1	1	1	D5238-043	LOWER BRACKET, AFT
						1	1	1	D5238-045	LOWER BRACKET, FWD
						1	1	1	D5245-1	MOUNTING BOLT
2	2				2	2	2	2	AN6H12A	BOLT
2	2				2	1	1	1	AN6H13A	BOLT
		4							AN526-1032R16	SCREW
		2							AN832-6J	UNION
		4							AN924-6J	NUT
		20							MS21919WDG09	CLAMP
6	6				6	5	5	5	NAS1149D0663J	WASHER (or AN960JD616)
		4							NAS1149C0932R	WASHER (or AN960C916L)

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Qty 5 to ship March 31
ASAP 30125542

Page 1

Item ID: D139-799-015

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Engine Wash

Start Date: 3/28/2016 Start Qty: 5.00

5 3
5 3 SH

Required Date: 3/31/2016 Req'd Qty: 5.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: SH

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								

IIN-D139-799

K

100

Document Control

0.00

DAS
8
9-00

ML5

MAR 22 2016

100

DC

Doc.Control -USB or Paperwork

Memo

0.00

Photocopy bluefile & type labels per PPP D139-799-015
CHG005

3

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
8
9-00

MAR 22 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control